

ABSTRACT

A method for multiplexing DOCSIS data into an MPEG data stream includes synchronizing an MPEG system clock and a DOCSIS system clock, multiplexing a DOCSIS data stream into an MPEG Transport Stream while preserving the accuracy of a number of MPEG program clock reference (PCR) values, transmitting the multiplexed Transport Stream, receiving the multiplexed Transport Stream in a receiving device, recovering the MPEG PCR values, and generating a DOCSIS clock based on the MPEG PCR values.